

Ultraviolet Radiation In The Solar System

Short-Wave Solar Radiation in the Earth's Atmosphere Applications of Radioisotopes and Radiation in the Life Sciences Applications of Radioisotopes and Radiation in the Life Sciences Radiation in a Cloudy Atmosphere Publications Index Solar Energy Update Nuclear Science Abstracts Bibliography of Medical Translations Minutes of Proceedings of the Institution of Civil Engineers The London, Edinburgh and Dublin Philosophical Magazine and Journal of Science Quarterly Journal of the Royal Meteorological Society Philosophical Magazine Environmental Radioactivity English Mechanic and Mirror of Science The Electrician The Electrical Review Engineering Mechanics Devoted to Mechanical Civil, Mining and Electrical Engineering The Electrician and Electrical Engineer London, Edinburgh and Dublin Philosophical Magazine and Journal of Science The Lancet Irina N. Melnikova United States. Congress. Joint Committee on Atomic Energy United States. Congress. Joint Committee on Atomic Energy. Subcommittee on Research, Development, and Radiation E.M. Feigelson United States. Bureau of Radiological Health Institution of Civil Engineers (Great Britain) Royal Meteorological Society (Great Britain) Merril Eisenbud

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based on data from an experiment which ran for ten years this book summarizes the results of the atmospheric physics department of the st petersburg university and the main geophysical observatory the processed data now forms a rich dataset of spectral values of radiative characteristics under different atmospheric conditions the analysis of this database clearly shows that the solar radiative absorption in a dusty and cloudy atmosphere is significantly higher than assumed to date both graduate students of atmospheric sciences as well as scientists and researchers in the field of meteorology and climatology will find a wealth of new data and information in this monograph

discusses atomic energy applications to agriculture as well as to medical research

radiative heat transfer is a fundamental factor in the energetics of the terrestrial atmosphere the system consisting of the atmosphere and the underlying layer is heated by the sun and this heating is compensated on the average by thermal radiation only over a period of 13 days from some specified initial moment can the dynamic processes in the atmosphere be considered to be adiabatic global dynamic processes of long duration are regulated by the actual influxes of heat one of the main ones being the radiative influx radiation must be taken into account in long term weather forecasting and when considering the global circulation of the atmosphere the theory of climate etc thus it is necessary to know the albedo of the system the amount of solar radiation transmitted by the atmosphere the absorptivity of the atmosphere vis a vis solar radiation and also the effective radiation flux the divergence of which represents the radiative cooling or heating all these quantities have to be integrated over the wavelength spectrum of the solar or thermal radiation and they must be ascertained as functions of the determining factors the relationships between the indicated radiation characteristics the optical quantities directly determining them the optically active components of the atmosphere and the meteorological fields will be discussed in this book

vols 10 11 include meteorology of england by james glaisher as separately paged section at end

this book provides an account of biological and physical information on nuclear power and its potential environmental impact

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